

## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION

This is an application to: (check one)

- ☐ Apply for a new permit.  
☒ Apply for reissuance of expiring permit.  
☐ Apply for a construction permit.  
☐ Modify an existing permit.

Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:

Form A, Form B, Form C, Form F, or Form SC

For additional information contact:

KPDES Branch (502) 564-3410

- 0 -

#### I. FACILITY LOCATION AND CONTACT INFORMATION

A. Name of business, municipality, company, etc. requesting permit

NOLIN LAKE STATE PARK

B. Facility Name and Location

PARK MAMMOTH CAVE

Facility Location Name:

NOLIN LAKE STATE PARK

Facility Location Address (i.e. street, road, etc., not PO Box):

2998 BRIER CREEK Rd.

Facility Location City, State, Zip Code:

MAMMOTH CAVE Ky. 42259

AGENCY  
USE

0103772

C. Primary Mailing Address (all facility correspondence will be sent to this address). Include owner mailing address on a separate sheet if different.

Facility Contact Name and Title: Mr. ☐ Ms. ☐

KY DEPARTMENT OF PARKS

Mailing Address:

CAPITAL PLAZA Tower 10th Floor 500 MERCE ST.

Mailing City, State, Zip Code:

FRANKFORT Ky 40601

Facility Contact Telephone Number:

(502) 564-6970

#### II. FACILITY DESCRIPTION

A. Provide a brief description of activities, products, etc: RECREATIONAL SERVICES

CAMPING SWIMMING BEACH PICNICING

B. Standard Industrial Classification (SIC) Code and Description

Principal SIC Code & Description:

7999 AMUSEMENT AND RECREATION SERVICES NOT ELSEWHERE CLASSIFIED

Other SIC Codes:

#### III. FACILITY LOCATION

A. Attach a U.S. Geological Survey 7 1/2 minute quadrangle map for the site. (See instructions)

B. County where facility is located: Edmonson

City where facility is located (if applicable):

MAMMOTH CAVE

C. Body of water receiving discharge:

NOLIN LAKE

D. Facility Site Latitude (degrees, minutes, seconds):

37-17-54.1

Facility Site Longitude (degrees, minutes, seconds):

86-12-44.1

E. Method used to obtain latitude & longitude (see instructions):

HANDHELD GPS

F. Facility Dun and Bradstreet Number (DUNS #) (if applicable):

**IV. OWNER/OPERATOR INFORMATION****A. Type of Ownership:**

☐ Publicly Owned ☐ Privately Owned ☒ State Owned ☐ Both Public and Private Owned ☐ Federally owned

**B. Operator Contact Information (See instructions)**

Name of Treatment Plant Operator:

Telephone Number:

Operator Mailing Address (Street):

Operator Mailing Address (City, State, Zip Code):

Is the operator also the owner?

Yes ☐ No ☒

Is the operator certified? If yes, list certification class and number below.

Yes ☒ No ☐

Certification Class:

Certification Number:

**V. EXISTING ENVIRONMENTAL PERMITS**

Current NPDES Number:

Issue Date of Current Permit:

Expiration Date of Current Permit:

Number of Times Permit Reissued:

Date of Original Permit Issuance:

Sludge Disposal Permit Number:

Kentucky DOW Operational Permit #:

Kentucky DSMRE Permit Number(s):

Which of the following additional environmental permit/registration categories will also apply to this facility?

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source		
Solid or Special Waste		
Hazardous Waste - Registration or Permit		

**VI. DISCHARGE MONITORING REPORTS (DMRs)**

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). Information in this section serves to specifically identify the name and telephone number of the DMR official and the DMR mailing address (if different from the primary mailing address in Section I.C).

A. DMR Official (i.e., the department, office or individual designated as responsible for submitting DMR forms to the Division of Water):

DMR Official Telephone Number:

**B. DMR Mailing Address:**

- Address the Division of Water will use to mail DMR forms (if different from mailing address in Section I.C), or
- Contact address if another individual, company, laboratory, etc. completes DMRs for you; e.g., contract laboratory address.

DMR Mailing Name:

DMR Mailing Address:

DMR Mailing City, State, Zip Code:

## VII. APPLICATION FILING FEE

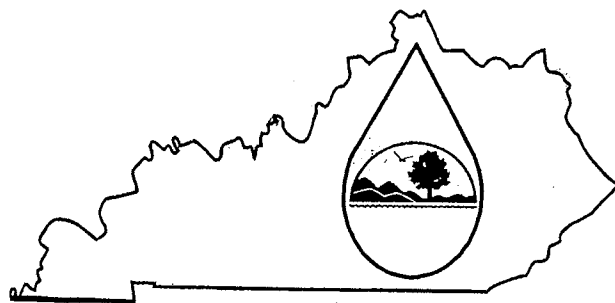
KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount (for permit renewals, please include the KPDES permit number on the check to ensure proper crediting). Descriptions of the base fee amounts are given in the "General Instructions."

Facility Fee Category: <i>PUBLIC OWNED TREATMENT (NO FEE)</i>	Filing Fee Enclosed: <i>\$0.00</i>
--	---------------------------------------

## VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print): Mr. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> <i>Tracey Wilson MAINT. SUP.</i>	TELEPHONE NUMBER (area code and number): <i>(270) 286-4240</i>
SIGNATURE <i>Tracey Wilson</i>	DATE: <i>12-5-08</i>



## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION

A complete application consists of this form and Form I.  
For additional information, contact: KPDES Branch, (502) 564-3410.

NAME OF FACILITY: <u>NOLIN LAKE STATE PARK</u>							
I. FACILITY DISCHARGE FREQUENCY				AGENCY USE			
				0	1	0	3
				7	7	2	
A. Do discharge(s) occur all year? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Complete Item IX for intermittent discharges.)							
B. How many days per week?		<u>SEASONAL APRIL - OCTOBER</u>					
II. A. Give the basis of design for sizing of the wastewater facility (see instructions): <u>TO SERVE A STATE PARK WITH 52 CAMPSITES, A BEACH, PICNIC AREA, WITH A BATH-HOUSE</u>							
B. If new discharger, indicate anticipated discharge date:							
C. Indicate the design capacity of the treatment system:				<u>0.009</u> MGD			

### III. Outfall Location (see instructions)

Outfall (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
<u>001</u>	<u>39</u>	<u>17</u>	<u>54.5</u>	<u>86</u>	<u>12</u>	<u>44.2</u>	<u>NOLIN LAKE</u>

Method used to obtain latitude/longitude (i.e. GPS unit, USGS topographic map coordinates, etc.)	<u>GPS</u>
---	------------

**IV. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (see instructions)**

If wastewater other than domestic or sanitary is listed, complete page 4 in addition to page 1 and 2.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	List treatment components	List Codes from Table SC-1
.001	WWTP	.009MGD	Grinders	1-L
			Activated Sludge	3-A
			UV Lights	2-H

**V. Check the type(s) of wastewater discharged.**

- ☒ Domestic (60% or more sanitary sewage)
 ☐ Oil field waste  
☐ Noncontact cooling water
 ☐ Other (list):

**VI. Does all water used at facility (except for human consumption) flow to a treatment plant?** ☒ Yes ☐ No**VII. Discharge to other than surface waters. Check appropriate location:**

- ☐ Publicly-owned lake or impoundment Name of lake:  
☐ Publicly-owned treatment works (POTW). Name of POTW:  
☐ Land application of Effluent  
☐ Surface injection (Check term and identify on map) ☐ lateral field; ☐ sinkhole; ☐ sinking stream; ☐ deep well  
☐ Closed Circuit (Check appropriate term) ☐ Holding tank; ☐ Mechanical evaporation; ☐ Waste impoundment

**VIII. Check the metals present in the discharge if applicable and indicate the quantity discharged per year. (Indicate units).**

<input type="checkbox"/>	Antimony	
<input type="checkbox"/>	Arsenic	
<input type="checkbox"/>	Beryllium	
<input type="checkbox"/>	Cadmium	
<input type="checkbox"/>	Chromium	

<input type="checkbox"/>	Copper	
<input type="checkbox"/>	Lead	
<input type="checkbox"/>	Mercury	
<input type="checkbox"/>	Nickel	
<input type="checkbox"/>	Selenium	

<input type="checkbox"/>	Silver	
<input type="checkbox"/>	Thallium	
<input type="checkbox"/>	Zinc	
<input type="checkbox"/>		
<input type="checkbox"/>		

**IX. INTERMITTENT DISCHARGES (Complete this section for intermittent discharges.)**

A. Number of bypass points:

(If bypass points are indicated, information below must be completed for each bypass.)

Check when bypass occurs:	<input type="checkbox"/> Wet Weather	<input type="checkbox"/> Dry Weather
Give the number of bypass incidents	per year	per year
Give average duration of bypass	hours	hours
Give average volume per incident	1,000 gallons	1,000 gallons
Give reason why bypass occurs:		

B. Number of Overflow Points:

(If discharge is from an overflow point, the information below must be completed.)

Check when overflow occurs:	<input type="checkbox"/> Wet Weather	<input type="checkbox"/> Dry Weather
Give the number of overflow incidents:	per year	per year
Give average duration of overflow:	hours	hours
Give average volume per incident:	1,000 gallons	1,000 gallons

C. Number of seasonal discharge points

Give the number of times discharge occurs per year	
Give the average volume per discharge occurrence	(1,000 gallons)
Give the average duration of each discharge	(days)
List month(s) when the discharge occurs	

**X. AREA SERVED (see instructions)**

NAME	ACTUAL POPULATION SERVED
NOLIN LAKE STATE PARK	250/DAY SEASONAL
TOTAL POPULATION SERVED	250/DAY SEASONAL

**XI. COOLING WATER ADDITIVES AND THEIR COMPOSITIONS**

Additive	Composition	Concentration (mg/l)

**XII. EFFLUENT CHARACTERISTICS**

A. Indicate results of analysis for pollutants listed below.

POLLUTANT/PARAMETER	MAX DAILY VALUE	AVG DAILY VALUE	NUMBER OF SAMPLES
BOD <sub>5</sub>	< 6	< 6	3
TOTAL SUSPENDED SOLIDS	2.67	2.09	3
FECAL COLIFORM	10	10	3
TOTAL RESIDUAL CHLORINE	UV Lights		
OIL AND GREASE	WAIVER		
CHEMICAL OXYGEN DEMAND	WAIVER		
TOTAL ORGANIC CARBON	WAIVER		
AMMONIA	.43	.25	3
DISCHARGE FLOW	5695	569	270 DAYS
PH	7.24	7.09	3
TEMPERATURE (WINTER)	26.9°C	21.0°C	183 DAYS
TEMPERATURE (SUMMER)	22.4°C	9.9°C	182 DAYS

B. Frequency and duration of flow:

INSTANTANEOUS

**XIII. CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Tracy Wilson Maintenance Supervisor	1270/286-4240
SIGNATURE	DATE
Tracy Wilson	12-5-08

# Nolin Lake State Park

